

STM3210C-EVAL evaluation board

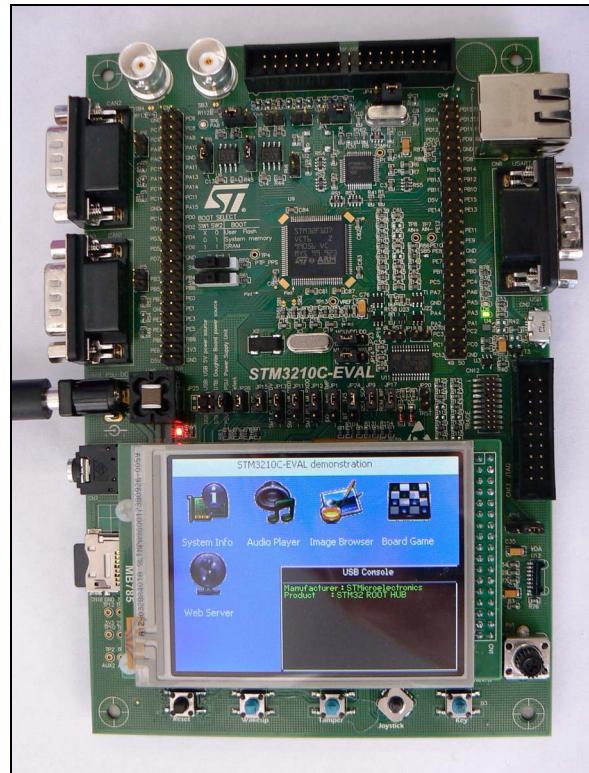
Data brief

Features

- Three 5 V power supply options:
 - power jack
 - USB connector
 - daughterboard
- Boot from user Flash, system memory or SRAM
- I2S audio DAC, stereo audio jack
- 2 GByte microSD Card™ or bigger
- Both A and B type smartcard support
- I2C compatible serial interface 64 Kbit EEPROM, MEMS and I/O expander
- RS-232 channel
- IrDA transceiver
- USB OTG full speed, USB microAB connection
- IEEE-802.3-2002 compliant ethernet connector
- Two channels of CAN 2.0A/B compliant connection
- Inductor motor control connector
- JTAG and trace debug support
- 3.2" 240x320 TFT color LCD with touch screen
- Joystick with 4-direction control and selector
- Reset, wakeup, tamper and user buttons
- 4 color LEDs
- RTC with backup battery
- MCU consumption measurement circuit
- Extension connector for daughterboard or wrapping board

Table 1. Device summary

| Order code | Reference |
|---------------|-------------------------------|
| STM3210C-EVAL | STM32F107VCT evaluation board |



Description

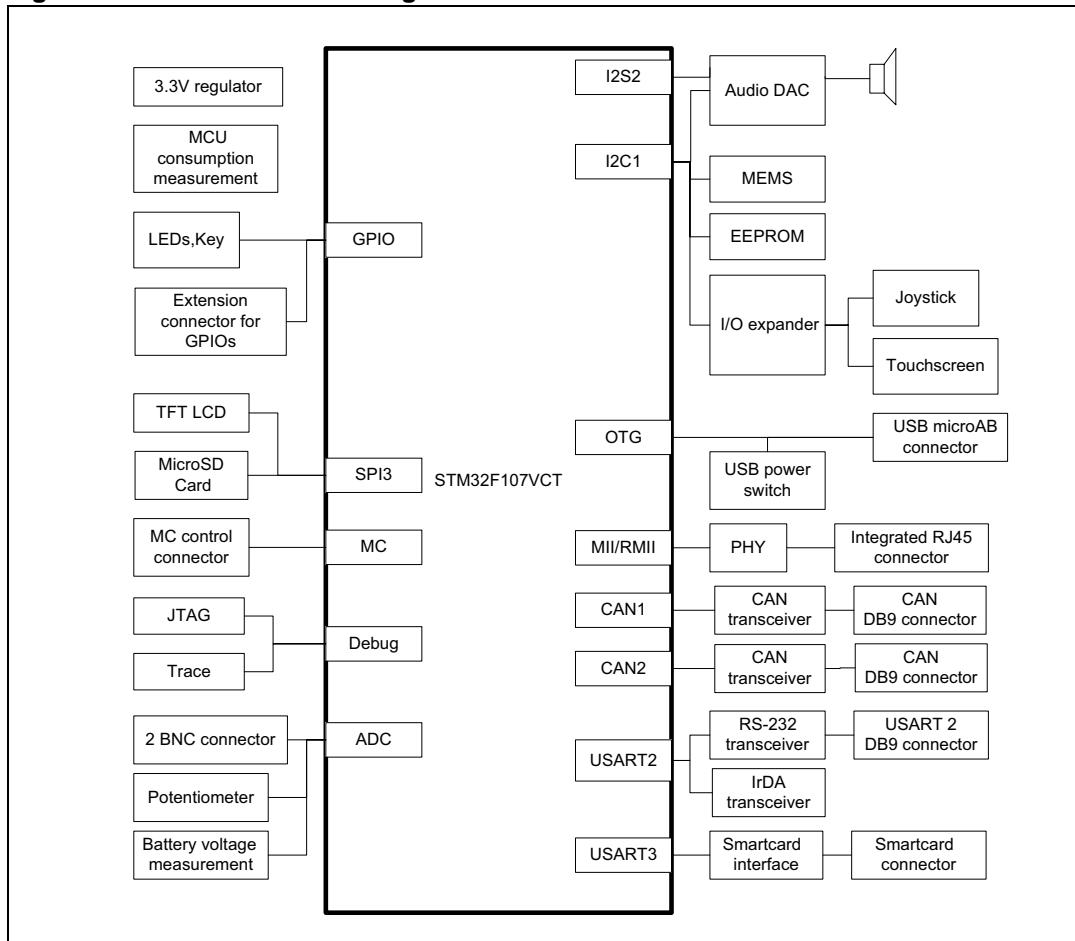
The STM3210C-EVAL evaluation board is a complete development platform for STMicroelectronic's ARM Cortex-M3 core-based STM32F107VCT microcontroller. The range of hardware features on the board help you to evaluate all peripherals (USB-OTG FS, ethernet, motor control, CAN, microSD Card™, smartcard, USART, audio DAC, MEMS, EEPROM and more) and develop your own applications.

Extension headers make it easy to connect a daughterboard or wrapping board for your specific application.

STM3210C-EVAL hardware block diagram

Figure 1 is a block diagram of the STM3210C-EVAL hardware.

Figure 1. Hardware block diagram



Demonstration software

Demonstration software is preloaded in the board's Flash memory for easy demonstration of the device peripherals in stand-alone mode. For more information and to download the latest version, refer to www.st.com.

Revision history

Table 2. Document revision history

| Date | Revision | Changes |
|-------------|----------|------------------|
| 06-Aug-2010 | 1 | Initial release. |

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